

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20050034822"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:07
L2	0	FBAR same dielectric same sacrificial same electrode same piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 16:39
L3	0	FBAR same dielectric same sacrificial same electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 16:38
L4	0	FBAR same dielectric same sacrificial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 16:38
L5	25	FBAR same dielectric same sacrificial same electrode same piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:17
L6	6	("4849071"   "4893509"   "5185589"   "5233259"   "5445991"   "5496436"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:42
L7	38	("4849071").URPN.	USPAT	OR	OFF	2007/01/31 17:08
L8	1	"5357108".pn.	USPAT	OR	OFF	2007/01/31 17:10
L9	1	"5358254".pn.	USPAT	OR	OFF	2007/01/31 17:10
L10	1	"5458254".pn.	USPAT	OR	OFF	2007/01/31 17:11
L11	1	"6237511".pn.	USPAT	OR	OFF	2007/01/31 17:12
L12	1	"6137511".pn.	USPAT	OR	OFF	2007/01/31 17:13
L13	5	((("6051907") or ("4107349") or ("6242843") or ("6204747") or ("6060818"))).PN.	USPAT	OR	OFF	2007/01/31 17:20
L14	0	("FBARadjdielectric").PN.	USPAT	OR	OFF	2007/01/31 17:20
L15	12492	substrate adj dielectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:21

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L16	13871	sacrificial adj layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:21
L17	16291	top adj electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:22
L18	16487	bottom adj electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:22
L19	2	peizoelectric adj layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:22
L20	5679	piezoelectric adj layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:23
L21	0	15 and 16 and 17 and 18 and 19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:23
L22	211	15 and 16 and electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:23
L23	54	15 and 16 and electrode and piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:24
L24	1971	FBAR same substrate dielectric same sacrificial same electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:27
L25	1666	FBAR same substrate dielectric same sacrificial same electrode and etching	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:27

## EAST Search History

L26	309	25 and 17 and 18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:27
L27	238	25 and 17 and 18 and removed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:41
L28	27	FBAR and 15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:45
L29	2926	29/25.35.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:45
L30	2	29 and 28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 17:45
L31	3	("5747857"   "5884378"   "6349454"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:46
L32	1661	29/830.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:46
L33	0	28 and 32	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:46
L34	2079	29/832.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:46
L35	0	28 and 34	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:47
L36	2371	310/328.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:47
L37	0	28 and 36	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:47
L38	1196	310/313R.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:47

## EAST Search History

L39	0	28 and 38	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:47
L40	1413	310/334.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:48
L41	1	28 and 40	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:57
L42	1413	310/334.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:58
L43	1	28 and 42	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:58
L44	13	("3745564"   "4398114"   "4403834"   "4575690"   "4640756"   "5075641"   "5166646"   "5233259"   "5260596"   "5338999"   "5446335"   "5512864"   "5596239").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 17:59
L45	389	216/75.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 18:03
L46	0	28 and 45	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 18:03
L47	1147	216/100.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 18:04
L48	0	47 and 28	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 18:04
L49	0	"21677".ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 18:04
L50	188	"216/77".ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 18:04
L51	0	28 and 50	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 18:04
L52	599	438/52.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 18:04
L53	0	28 and 52	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 18:05

## EAST Search History

L54	183	159/5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:07
L55	1	28 and 54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:07
L56	1	54 and FBAR	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:08
L57	57	29 and FBAR	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:12
L58	336975	Sang Chae Kim.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:13
L59	5	28 and 58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:15
L60	2	"6242843".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:15
L61	0	sacrificial adj removed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:18
L62	102	sacrificial adj removed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:18
L63	0	62 and FBAR	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:18

## EAST Search History

L64	0	29 and 62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:19
L65	66	FBAR same sacrificial same etching	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:19
L66	58	FBAR same sacrificial same etching and removed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/31 18:19